February 5, 2007

Mr. Wes Carr Colorado Department of Public Health & Environment Water Quality Control Division, Biosolids Management Program WQCD-P-B2 4300 Cherry Creek Drive South Denver, CO 80246-1530 FEB 1 6 2007
Water Quality Control Division

00000

RE: Stromo, LLC Composting Facility Letter of Intent for the Distribution of Biosolids

1,1

Dear Mr. Carr,

Enclosed please find a "Letter of Intent for the Use and Distribution of Biosolids for Unrestricted Use" and accompanying attachments for the Stromo, LLC Compost Facility located at 21970 WCR 30, Hudson, Colorado 80642.

AGPROfessionals, LLC is representing Mr. Tim Smith and Stromo, LLC in this application. Mr. Smith has been approached by the Denver Metro Wastewater Reclamation District to accept biosolids from their facility for composting at the Stromo site. We have been assisted in this process by Mr. Paul Ferguson and Ms. Becky Patterson of the Denver Metro District to develop an alternative for their composting and land application; especially in light of the recent series of snowstorms that have limited Denver Metro's options for treatment and disposal.

Since Stromo, LLC has not received biosolids and will only be accepting biosolids from Denver Metro pending the Division's and Weld County's approval, we have relied upon records and analysis supplied from Denver Metro to complete the letter of intent. A copy of their summary is attached in addition to a revised Stromo, LLC Design and Operations Plan.

Upon your review, please contact me if you have any questions regarding this request.

Sincerely,

Thomas Haren

Artachments:

Letter of Intent for the Use and Distribution of Biosolids for Unrestricted Use

Copy of the Certificate of Designation

Driving Directions

Metro Wastewater Reclamation District Analysis Summary Amended Design and Operations Plan – Under separate cover

Cc:

Troy Swain, Weld County Department of Public Health and Environment

Tim Smith, Stromo LLC Composting Facility

ENGINEERING, SURVEYING, PLANNING & CONSULTING

4350 Highway 66 Longmont, CO 80504

970.535.9318 / office a 303.485.7838 / metro a 970.535.9854 / fax a www.agpros.com

	CDPHE BMP#	
EPA	REGION 8 GENRAL PERMIT#	
	FACILITY NPDES PERMIT #	
	(1)#	

DATE ECEIVED

COMP/AIR DATE_____

LOIN DATE_____

LETTER OF INTENT FOR THE USE AND DISTRIBUTION OF BIOSOLIDS FOR UNRESTRICTED USE (LAWN AND HOME GARDEN)

Regulation No. 64 Section 64.10(A)(1)

Colorado Department of Public Health and Environment

Water Quality Control Division

Biosolids Management Program

WQCD-P-B2	REC'D AIR/COMP DATE	and the second second
4300 Cherry Creek Drive South	NOA DATE	
Denver, CO 80246-1530		ž
DO NOT WR	ITE ABOVE THIS LINE	- 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
GENERAL INFORMATION		a v
Facility Name STROMO LLC COMPOST F	ACILITY	8
Legal Contact TIM SMITH		
Street 21970 WCR 30		
City HUDSON	State do ZIP 80	642
Phone (303) 857-0763	Fax (303) 857-9409	
E-Mail tsmith@renewablefibe	r. Lom	

SITE INFORMATION	
Certificate of Designation Nurr	nber: N/A SEE ATTACHMENT A
Site Location (Section, Townsh	hip, Range) SW 1/4 526 T3N R65 W 40° 11' 38.69" N
Center of Site GPS Reading	104° 38' 21, 72" W
Closest Major Intersection	County WELD PRIVING DIRECTIONS ATTATCHED (Attach driving directions to the site from this location)

Revised 5/14/04 WC

PARAMETER	UNITS	VALUE	PARAMETER	UNITS	VALUE
total solids	percent	23.3	total arsenic	mg/kg dry weight	2.0
pH	standard units	8.4	total cadmium	mg/kg dry weight	3
total phosphorus	percent dry weight	2,47	total copper	mg/kg dry weight	676
total potassium	percent dry weight	0.22	total lead	mg/kg dry weight	54
volatile solids	percent of total solids	64.1	total mercury	mg/kg dry weight	1.5
organic nitrogen as N	percent dry weight	5,56	total molybdenum	mg/kg dry weight	39
total ammonia as N	percent dry weight	0.62	total nickel	mg/kg dry weight	18
nitrate as N	percent dry weight	0.00	total selenium	mg/kg dry weight	15.7
Laboratory:			total zinc	mg/kg dry weight	776

PARAMETER	UNITS	VALUE	PARAMETER	UNITS	VALUE		
total solids	percent	22.7	total arsenic	mg/kg dry weight	2.0		
pН	standard units	8.1	total cadmium	mg/kg dry weight	0		
total phosphorus	percent dry weight	z.53	total copper	mg/kg dry weight	691		
total potassium	percent dry weight	0,163	total lead	mg/kg dry weight	51		
volatile solids	percent of total solids	66.5	total mercury	mg/kg dry weight	0,8		
organic nitrogen as N	percent dry weight	5.74	total molybdenum	mg/kg dry weight	. 31		
total ammonia as N	percent dry weight	0.57	total nickel	mg/kg dry weight	18		
nitrate as N	percent dry weight	0.00	total selenium	mg/kg dry weight	13,0		
Laboratory:			total zinc	mg/kg dry weight	778		

PARAMETER	UNITS	VALUE	PARAMETER	UNITS	VALUE
total solids	percent	22.2	total arsenic	mg/kg dry weight	3.5
pН	standard units	8.4	total cadmium	mg/kg dry weight	0
total phosphorus	percent dry weight	2.50	total copper	mg/kg dry weight	708
total potassium	percent dry weight	0,181	total lead	mg/kg dry weight	46
volatile solids	percent of total solids	67.6	total mercury	mg/kg dry weight	2.8
organic nitrogen as N	percent dry weight	6.46	total molybdenum	mg/kg dry weight	29
total ammonia as N	percent dry weight	0.70	total nickel	mg/kg dry weight	18
nitrate as N	percent dry weight	0,00	total selenium	mg/kg dry weight	11.4
Laboratory:			total zinc	mg/kg dry weight	791

PARAMETER	UNITS	VALUE	PARAMETER	UNITS	VALUE		
total solids	percent	22.3	total arsenic	mg/kg dry weight	4.0		
pН	standard units	8.2	total cadmium	mg/kg dry weight	١		
total phosphorus	percent dry weight	2.67	total copper	mg/kg dry weight	665		
total potassium	percent dry weight	0,168	total lead	mg/kg dry weight	42		
volatile solids	percent of total solids	69.5	total mercury	mg/kg dry weight	1.3		
organic nitrogen as N	percent dry weight	6,00	total molybdenum	mg/kg dry weight	25		
total ammonia as N	percent dry weight	0,67	total nickel	mg/kg dry weight	16		
nitrate as N	percent dry weight	0.00	total selenium	mg/kg dry weight	11.4		
Laboratory:			total zinc	mg/kg dry weight	731		

CLA	ASS A P	ATHOGEN DESTRU	CTION CRITI	ERIA		
	CIRI	LCE ONE: Fecal Coli	form OR Salmo	onella Monitoring I	Results (dry weight basis):
				Fecal Colifor	m Units	= MPN/gram of Total Solids
	L	aboratory	Sample Date			MPN/4 grams of Total Solids
		RO WW REC. DIST	3 / / 00	<u></u>		200,000
		1. SERVICES DEPT	4//0		-	300,000
		LYTICAL SERVICES	5 / / 0		<u> </u>	100,000
		O YORK ST.	7//0		-	32 000
) 286 - 3000	8//0			90,000
			11//0		5750-11100-1110	90 000
						,
				<u>AND</u>		
	Ident	ify the Class "A" Alte	rnative Used:			
Alter	rnative .	A-2 Alkaline Treatme	nt 🗆	⊠N/A		
ZIII	many c	1-2 Mikamie Heatme		MINA		
	Time Logs	ge pH (logs of pH from pH maintained ≥ 12 (m of sludge temps from b nt solids in sludge after	ninimum 72 houseginning, middle	rs)e, end and hourly -	Hour	
						Attach Documentation
Alter	native A	A-3 Prior Testing		⊠ N/A		
	Densi Viable Detail	tical Results (prior to p ty of Enteric Viruses (1 e Helminth Ova (1 per ed Sampling and Analy s or range of values for	plaque forming 4 grams of total sis Plan Availab	unit per 4 grams of solids) ble	total sol	
		Attach QAPP				Attach Analytical Results
Alter	native A	A-4 No Prior Testing		⊠ N/A		
	Densit Viable	tical Results (prior to p ty of Enteric Viruses (1 e Helminth Ova (1 per 4 ed Sampling and Analy	plaque forming 4 grams of total	unit per 4 grams of solids)		
		Attach QAPP				Attach Analytical Results

CLAS	S A PATHOGEN DEST	TRUCTION CRITERL	<u>\</u>		
Altern	ative A-5 Process to Fu	rther Reduce Pathogen	s (PFRP)	\boxtimes	□ N/A
Heat I	Orying		V/A		
		d sludge < 100 of sludge particles or the ing or once per shift, mir	e wet bulb temp of		contact is ≥ 80 °C (176 °F)
]		Attach Documentation
Therm	nophilic Aerobic Digesti	on 🗆 🔯	N/A		
	Dissolved oxygen conce Temperature logs 55 °C Mean Cell Residence Ti	- 60 °C (131 °F − 140 °F		(lays (see equations below)
	For complete mixed, cor	nstant feed & withdrawal	with decanting:	?n =	V Cv q Cq
	actor volume $q = flow$ oncentration of solids in e				or age solids residence time)
	For batch withdrawal, da	ily step feeding and dec	enting: $?n = S (a S)$	ds x ?) (ds)	or <u>S (Vi x Ci x Ti)</u> S (Vi x Ci)
Vi = vc	olume of daily batch feed				crement has been in the reactor ation of solids in daily feed
stream			[Attach Documentation
Compo	osting 🗵 🗆	N/A			
	Composting method:	☐ Windrow ☐ Static A	erated Pile With	in –ve	ssel Other
	□ Temperature logs: ≥	r one reading per shift, n 55 °C (131 °F) for 15 da , minimum 2 readings pe	ninimum 2 readings ys if windrow meth r day)	per da	
				\boxtimes	Attach Documentation

VECTOR ATTRACTION REDUCTION CRITERIA
Identify the vector attraction reduction method:
Volatile Solids Reduction (64.12.C(3))50.8% Bench scale anaerobic digestion (64.12.C(4))% Bench scale aerobic digestion (64.12.C(5))% Specific oxygen uptake rate (64.12.C(6))% Aerobic processing MCRT > 14 days /T > 40EC; xT > 45EC (64.12.C(7))% Alkaline addition (64.12.C(8))% No primary solids, solids content >75% prior to mixing (64.12.C(9))% Primary solids, solids content >90% prior to mixing (64.12.C(10))%
Attach Documentation
ATTACHMENTS
Attach a process description and a description of how the biosolids will be marketed to the public. The facility operating plan should also include copies of any labeling, information sheets, written cautions or written instructions for use required per Section 64.14.A(2) or 64.14.B(2) of the Biosolids Regulation.
SUBMITTAL REQUIREMENTS
Mail the Letter of Intent to the address listed on the front page.
Submit a copy of the Letter of Intent to the Local Health Authority. Don't forget to send additional information requested by the Division to the Local Health authority.
Allow 30 days for Division review – the Division will notify the Applicant within 30 days of the completeness of this Letter of Intent.
Allow 30 days from the date of the completeness notification for Division issuance of a Notice of Authorization.
Biosolids may not be distributed without a Notice of Authorization from the Water Quality Control Division
Contact the Division at 303-692-3613 with any questions you may have.

WELD COUNTY, COLORADO

CERTIFICATE OF DESIGNATION

In accordance with the provision of Sections 30-20-101 through 30-20-115, C.R.S., the Board of County Commissioners of Weld County, Colorado, hereby grants a Certificate of Designation for a Solid Waste Disposal Site and Facility (composting facility) in the A (Agricultural) Zone District.

Location of Site:

Part of the W1/2 of the SW1/4 of Section 26, Township 3 North, Range 65 West of the 6th P.M.,

Weld County, Colorado

Name and Address of Responsible Operator:

Stromo, LLC c/o John Moser and Tim Smith 6600 West 20th Street #11 Greeley, Colorado 80634

This Certificate of Designation may be temporarily suspended or revoked, after reasonable notice and public hearing, for cause as outlined in Section 30-20-112, C.R.S.

Issued this 24th day of March, 2004, at Weld County, Colorado.

Signed:_

Robert D. Masden, Chair

Board of County Commissioners



Start: 4300 Cherry Creek South Dr

Denver, CO 80246-1523, US

End: 21970 County Road 30

Hudson, CO 80642-9624, US

Notes:



Direction	ns		Distance
Total Es	st. Time: 51 minutes	Total Est. Distance: 44.09 miles	
START	1: Start out going NOR SOUTH DR.	THEAST on S ASH ST toward CHERRY CREEK	<0.1 miles
\Leftrightarrow	2: Turn LEFT onto CHE	RRY CREEK SOUTH DR.	0.1 miles
%0#TH 2	3: Turn RIGHT onto S C N.	COLORADO BLVD / CO-2 N. Continue to follow CO-2	7.1 miles
EAST 6	4: Stay STRAIGHT to g	o onto US-6 E / US-85 N.	2.3 miles
48	5: Merge onto I-76 E /	US-6 E.	25.0 miles
34 EXIT	6: Take EXIT 34 toward	KERSEY ROAD.	0.2 miles
\Leftrightarrow	7: Turn LEFT onto CR-4	19.	7.0 miles
\(\rightarrow	8: Turn LEFT onto CR-3	30.	2.0 miles
END	9: End at 21970 Coun Hudson, CO 80642-9		
Total E	st. Time: 51 minutes	Total Est. Distance: 44.09 miles	

TYLENOL

Tylenol GoTabs. Fast pain relief for people on the go.



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12-Month Self Monitoring Summary Report METRO WASTEWATER RECLAMATION DISTRICT

																		VS RED., %		52.1	55.3	54.4	54.5	48.2	45.1	49.7	46.6	50.1	D. 1.0	·))	50.8	38						
																		AVG TEMP DEG. F		86	86	86	66	66	66	66	86	86	p œ	2	86	98	llowed				0	
																		SRT DAYS		17	18	15	15	16	16	20	18	00 C	20 20	1	18	15	Maximum Allowed				2,000,000	
	TOTAL	mg/Kg		667	769	730	754	742			776	778	791	731	741	2800		FEC (GEO.)	STg/ndm			140000	147000	58900	92800	32000	54000		3230		75400	2000000			10	(30 Deg. E)		
	TOTAL	mg/Kg	11.3	10.9	8.3	8.9	17.0	11.0	7.9	11.1	15.7	13,0	11.4	11.4	11.5	100	100	FECAL FI	mpn/gTS n			200000	300000	100000	136100	32000	00006		00006		100000	2000000	Minimum Allowed	Days	C	Deg. c (%)		
	TOTAL	mg/Kg	17	18	16	16	17	18	14	18	18	18	13	16	17	420	420	VOLATILE SOLIDS	E .	71.2	70.3	71.3	70.8	69.2	0.89	64.5	62.8	7.50	67.9	69.5	68.0		Mini	15 D	4	5		388
CAKE	TCTAL MOLYBDENUM	mg/Kg	24	22	20	24	34	43	44	43	66	31	29	25	32		7.5	TOTAL VO	osp.	21.4	21.8	22.4	22.6	22.5	23.2	23.6	23.8	25.3	22.2	22.3	22.6		Average	18 Days	100/0 35	30.31.30)	75400	50.8
U	FOTAL MERCURY 1	mg/Kg	1.0	0.0	1.0	0.8	2.7		1 4	1.4	. E	0.8	2.8	1.3	1.4	17	57	TOTAL	% DW	0.170	0.163	0.160	0.162	0.168	0.156	0.155	0.183	0.220	0.181	0.168	0.171			Day =	É	E)	11	= uc
	TOTAL	mg/Kg	41	42	44	44	46	20	52	54	5 5	5,	46	42	47	300	840	TOTAL PHOSPHORUS PO		2.58	2.78	2.58	2.57	2.57	2.66	2.65	2.63	4.0	2.50	2.67	2.60			on Time,	200	eg. cibeg	sIg/ndm '	s Reduction
	TOTAL	mg/Kg	20400	21900	20900	19800	21400	25700	24300	24300	23200	18300	18800	18000	21400			TKN THE	% DW	6.75	6.91	6.15	6.76	6.64	6.33	6.19	6.08	6.07	6.93	6.55	6.53			Solids Retention Time, Day	4	Temperature, Deg. C(Deg. Or	Fecal Coliform, mpn/gTs	ile Solid
	TOTAL	mg/Kg	609	622	620	658	744	697	698	694	676	169	708	665	674	1500	4300	ORGANIC-N	% DW	6,05	6.29	6.56	6.25	6.07	6.00	5.46	4.83	0.00	6.46	6.00	5.94			Solic	And	rempe	Feca	ion: Volat
	TOTAL	mg/Kg	25	27	26	31	29	26	31	30	26	26	28	26	28			AMMONIA OR		0.59	0.61	0.53	0.50	0.65	0.55	0.71	0.90	0.02	0.70	0.67	0.63		es	ction:				Vector Attraction Reduction: Volatile Solids
	TOTAL	mg/Kg	4	4	4	2	4	9	7	N	m	0	0	н	m	39	85	NITRATE A		00.0	00.0	00.0	00.0	00.0	0.00	00.00	0.00	8.0	0.00	00.0	00.0		Class B Criteria	Pathogen Destruction:				r Attracti
	TOTAL	mg/Kg	1.8	2.0	3.2	0.8	0.0	1.0	2.0	4.0	2.0	2.0	3.5	4.0	2.2	41	75	conduct. Na		10.6	16.0	9.5	12.2	13.4	14.0	13.7	15.4	15.0	12.2	10.1	12.9		Class	Patho				Vecto
	TOTAL	mg/Kg	9100	8280	8760	8880	0906	8960	8260	11500	11400	8110	9820	8770	9240			Ha CO	SU mm	7.9	8.1	8.0	7.9	8.0	8.0	0.8	o o	ο α •) (B)	8.2	8,1							
		Date	01/06	02/06	03/06	04/06	05/06	06/06	07/06	90/80	90/60	10/06	11/06	12/06	Average Limits:	Grade I:	Grade II:		Date	01/06	02/06	90/60	04/06	05/06	90/90	01/06	08/06	30/01	11/06	12/06	Average	Limit:						

All values are based on monthly averages.

Run Date: 15-JAN-2007 Page: 1 of 1